ThinkCentre® M58p Tower (3285) - ES 5.0 (GMP) - Windows 7

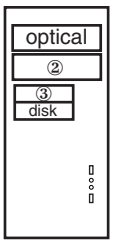
Name	Type-model	Slot x bay	Processor	GHz	Cores	Memory[8]	SATA disk	SATA optical	Graphics	Monitor conn	DisplayPort dongle	ENERGY STAR 5.0	Intel vPro	Win 7 preload	Global (G) GMP (P)	Avail date
M58p	3285-A1U	4x4	Core 2 Duo E8400	3.00	2	2GB	250GB[2]	DVD±RW	GMA	VGA, DP	None	ES50	vPro	Pro 32	G P	Oct 09

- ***Intel Core 2 Processor with vPro™ Technology (includes Intel Active Management Technology)***
- ***This model is part of the Global Models Plus (GMP) program with limited onsite service[3] 3-year limited warranty***
- ***This system is Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Mainstream enterprise stability and manageability*
Processor	**Intel® Core™ 2 Duo Processor E8400** with **dual-core**, Virtualization Technology, TXT, 1333MHz system bus, and 6MB L2 cache
Implementation	Processor in LGA775 socket
Memory	**2GB std**, 16GB max[8], **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, four 240-pin DIMM sockets; *Non-italics:* standard memory in one socket; 3 sockets available
Graphics	**Intel Graphics Media Accelerator 4500 (GMA 4500)**, integrated graphics in Q45, uses main memory (up to 765MB), one analog VGA DB-15 connector, one DisplayPort™ connector (supports single-link DVI-D via cable 45J7915), HDCP, DirectX® 10, supports dual independent display
SATA disk	**250GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1
SATA DVD±RW	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive
SATA cables	Two SATA cables (each 1-drop to device), three SATA connectors and one eSATA connector on planar
eSATA port	None
Diskette drive	None
Media reader	None
Chipset	**Intel Q45 Express Chipset** (PCI Express® 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)
Rear ports	Six USB 2.0, serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort)
Internal connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports)
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)
Audio	High Definition (HD) Audio, Analog Devices AD1882 codec
Speaker	One internal speaker for business audio
Ethernet	Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0
Intel AMT	Intel Active Management Technology (iAMT)
Modem	None
Security chip	Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo
Mouse	Optical Wheel Mouse (USB connector), black, Lenovo logo
Power supply	280 watts with variable speed fan, autosensing, 85% PSU

Tower

- Business black color; metal case
- 6.9" W X 17.3" D X 15.8" H
- 175mm W X 440mm D X 402mm H
- 24.2 lb (11.0 kg) in max configuration
- Handle on top front
- Toolless cover removal
- Toolless disk, diskette drive, optical drive removal
- Toolless adapter retention



Bay ① 5.25", 1.6" high, access, std optical
Bay ② 5.25", 1.6" high, access, open
Bay ③ 3.5", 1" high, access, open (reader/diskette)
Bay ④ 3.5", 1" high, no access, std disk

Slot 1: half-length, full-height, PCIe 2.0 x16 (75w max)
Slot 2: half-length, full-height, PCIe x1
Slot 3: half-length, full-height, 32-bit PCI 2.3
Slot 4: half-length, full-height, 32-bit PCI 2.3

Security

- Security chip (see information on left)
- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for opt padlock)
  - Security slot (in rear for optional Kensington® MicroSaver® cable)
- Power-on password
- Administrator password
- Hard disk password (user and master)
- Boot sequence control
- Boot without diskette, keyboard
- Serial port I/O control
- Individual USB port disablement

Preloaded operating system[20]

- Genuine Windows® 7 Professional 32

Preloaded applications[5] (only some listed)

- Rescue and Recovery™
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Toolbox
- Norton™ Internet Security 2011 (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player
- Microsoft Office 2010 preloaded; purchase product key to activate
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)

Accessories

2GB PC3-8500 DDR3 UDIMM	45J5435
500GB SATA 3.0Gb/s Disk (7200 rpm)	43R1990
1TB SATA 3.0Gb/s Disk (7200 rpm)	45J7918
Blu-ray™ Burner SATA 1.5Gb/s Drive	45K1675
DisplayPort to Single-link DVI-D Cable	45J7915
DisplayPort to VGA Monitor Cable	57Y4393
NVIDIA® Quadro® 256MB NVS 295	45K1669

More accessories on O-M58 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

Supports ThinkVantage® technologies

Climate Savers®-compliant
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
GREENGUARD® certified
RoHS-compliant

Limited Warranty[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US model announced October 22, 2009

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